



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE  
Attorney Docket No. 003248.00040

In re U.S. Patent Application of Artz, et al. )  
Application No. 10/005,656 )  
Filed: December 4, 2001 )  
For: Methods and Apparatus for Preparation )  
of Three-Dimensional Bodies )

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**SECOND SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Pursuant to 37 CFR §§1.97-1.98, applicants wish to make the following references of record in the above-identified application. Copies of the references cited below are enclosed. The references also are listed on the enclosed and completed Form PTO/SB/08A.

Some of the references listed below were cited in International Search Reports dated February 25, 2003, February 28, 2003 and March 6, 2003 (copies are enclosed) from co-pending applications (Serial No. 10/005,656, 10/005,683 and 10/005,084) all of which are directed to similar subject matter as the present application. These references may be material to the patentability of the presently pending claims.

Additionally, this Information Disclosure Statement is filed under 37 C.F.R. § 1.97(e) and contains information first cited in a communication from a foreign Patent Office in a counterpart foreign application not more than three months prior to the filing of this IDS.

06/24/2003 MGEDREM1 00000038 190733 10005656

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This Information Disclosure Statement is filed under 37 CFR §1.97(c) after the mailing of a first Office Action on the merits. Accordingly, the Commissioner is authorized to charge the \$180 filing fee to Deposit Account No. 19-0733 for filing this Information Disclosure Statement.

**REFERENCES**

**U.S. Publications**

1.	20020237384	Mulligan et al.	September 12, 2002
2.	20020154741	Rigali et al	October 24, 2002

**U.S. Patents**

3.	5,116,663	Fujimoto, et al.	May 26, 1992
4.	6,046,499	Yano, et al.	April 4, 2000
5.	6,171,532	Sterzel	January 9, 2001
6.	5,294,387	Nakano, et al.	March 15, 1994
7.	5,120,688	Hsieh	June 9, 1992
8.	5,588,997	Lysson et al.	December 31, 1996
9.	5,679,157	Milliman	October 21, 1997

**Other Prior Art - Non Patent Literature Documents**

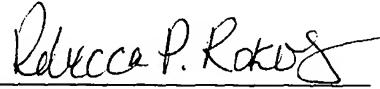
10. PCT International Search Report mailed February 25, 2003, (PCT/US02/38804).
11. PCT International Search Report mailed February 28, 2003, (PCT/US02/38654).
12. PCT International Search Report mailed March 6, 2003, (PCG/US02/38680)

**Non-Patent Literature Documents**

13. T. DAXNER, H.J. BÖHM, and F.G. RAMMERSTORFER, "Mesoscopic Simulation of Inhomogeneous Metallic Foams with Respect to Energy Absorption," *Computational Materials Science 16*, pp. 61-69 (1999).
14. MARK A. JANNEY, STEPHEN D. NUNN, CLAUDIA A. WALLS, OGBEMI O. OMATETE, RANDY B. OGLE, GLEN H. KIRBY, and APRIL D. MCMILLAN, "Gelcasting," *The Handbook of Ceramic Engineering*.
15. T.J. LU, H.A. STONE and M.F. ASHBY, "Heat Transfer in Open-Cell Metal Foams," *Acta Mater.*, Vol. 46, No. 10, pp. 3619-3635 (1998).

16. S. SANTOSA and T. WIERZBICKI, "On the Modeling of Crush Behavior of a Closed-Cell Aluminum Foam Structure," *J. Mech. Phys. Solids*, Vol. 46, No. 4, pp. 645-669 (1998).
17. S.P. SANTOSA, T. WIERZBICKI, A.G. HANSEN and M. LANGSETH, "Experimental and Numerical Studies of Foam-Filled Sections," *International Journal of Impact Engineering* 24, pp. 509-534 (2000).

Respectfully submitted



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Date: June 20, 2003



PTO/SB/08A (10-01)

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## **INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <small>(use as many sheets as necessary)</small>		Application Number	10/005,656
		Filing Date	December 4, 2001
		First Named Inventor	Mulligan et al.
		Group Art Unit	1731
		Examiner Name	Fiorilla, C.
		Attorney Docket Number	03248.00040
Sheet	1	of	2

## **U.S. PATENT DOCUMENTS**

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## FOREIGN PATENT DOCUMENTS

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### OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
		PCT International Search Report mailed February 25, 2003, (PCT/US02/38804).
		PCT International Search Report mailed February 28, 2003, (PCT/US02/38654).
		PCT International Search Report mailed March 6, 2003, (PCT/US02/38680).
		T. DAXNER, H.J. BÖHM, and F.G. RAMMERSTORFER, "Mesoscopic Simulation of Inhomogeneous Metallic Foams with Respect to Energy Absorption," <i>Computational Materials Science</i> 16, pp. 61-69 (1999).
		MARK A. JANNEY, STEPHEN D. NUNN, CLAUDIA A. WALLS, OGBEMI O. OMATETE, RANDY B. OGLE, GLEN H. KIRBY, and APRIL D. MCMILLAN, "Gelcasting," <i>The Handbook of Ceramic Engineering</i> .
		T.J. LU, H.A. STONE and M.F. ASHBY, "Heat Transfer in Open-Cell Metal Foams," <i>Acta Mater.</i> , Vol. 46, No. 10, pp. 3619-3635 (1998).
		S. SANTOSA and T. WIERZBICKI, "On the Modeling of Crush Behavior of a Closed-Cell Aluminum Foam Structure," <i>J. Mech. Phys. Solids</i> , Vol. 46, No. 4, pp. 645-669 (1998).
		S.P. SANTOSA, T. WIERZBICKI, A.G. HANSSEN and M. LANGSETH, "Experimental and Numerical Studies of Foam-Filled Sections," <i>International Journal of Impact Engineering</i> 24, pp. 509-534 (2000).

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